

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A cladding material comprising:[[-]]

an outer air permeable cover;

an inner air permeable cover; and

an intermediate layer, wherein the intermediate layer is provided with a graduated filtering profile such that, along an airflow direction of the intermediate layer, particles of decreasing sizes are trapped.

2. (Currently Amended) A cladding material according to claim 1, wherein ~~the~~ filtering characteristics of the intermediate layer are such as to trap relatively large particles towards ~~the~~ an outer cover end of the intermediate layer and to trap relatively smaller particles towards ~~the~~ an inner cover end of the intermediate layer.

3. (Currently Amended) A cladding material according to claim 1, wherein the intermediate layer has thermal ~~and/or sound~~ insulating properties.

4. (Previously Presented) A cladding material according to claim 1, wherein the intermediate layer comprises one or more of:- mineral wool, wet-blown cellulose and glass wool.

5. (Currently Amended) A cladding material according to claim 1, wherein the intermediate layer is provided ~~in the form of~~ with one or more of: ~~[[-]]~~ membranes, fibres, pulp or cellular based ~~(foam or sponge)~~ materials, or modified aerated concrete.
6. (Original) A cladding material according to claim 5, wherein the intermediate layer comprises fibres.
7. (Previously Presented) A cladding material according to claim 1, wherein the cladding material comprises filter materials for one or more of:- particulate emissions, gas pollutants, chemical agents and biological agents.
8. (Currently Amended) A cladding material according to claim 1, wherein the cladding material is provided ~~in the form of~~ as panel units.
9. (Original) A cladding material according to claim 8, wherein the panel units are provided in modular format.
10. (Currently Amended) A cladding material according to claim 1, wherein the intermediate layer is ~~formed of~~ comprises a plurality of one or more separate filter layers, of different filtering characteristics.

11. (Currently Amended) A cladding material according to claim 10, wherein each one of the separate filter layers of the intermediate layer is selected to extract at least one of a specified range of particle sizes, gaseous pollutants, chemical pollutants, ~~and/or~~ and biological agents.

12. (Currently Amended) A cladding material according to claim 11, wherein the plurality of one or more separate filter layers of the intermediate layer together define substantially ~~the~~ a complete filter spectrum of particulate and other pollution.

13. (Currently Amended) A cladding material according to claim 1, wherein the intermediate layer is ~~formed of~~ configured as a single filter layer, ~~whose~~ having filtering characteristics that vary across its thickness.

14. (Currently Amended) A cladding material according to claim ~~13~~ 10, wherein ~~the or~~ each of the plurality of one or more separate filter layers of the intermediate layer is independently replaceable.

15. (Currently Amended) A cladding material according to claim ~~13~~ 10, wherein ~~the or~~ each of the plurality of one or more separate filter layers of the intermediate layer comprises one or more disposable filter elements.

16. (Currently Amended) A cladding ~~system~~ method for cladding a building or other construction at a particular location, comprising ~~the steps of~~:

a) identifying the nature of pollutants at that location;

b) establishing an appropriate filter configuration for that building or other construction at that location;

c) forming cladding panel units for the building or other construction, the panel units having a graduated filtering profile across their thickness according to the filter configuration such that, along an airflow direction of the panel units, particles of decreasing sizes are trapped; and

d) applying the panel units to the building or other construction.

17. (Currently Amended) A building or other construction comprising a plurality of panels ~~formed of~~ comprising the cladding material according to claim 1.

18. (Canceled).

19. (Canceled).

20. (Currently Amended) A ~~system~~ method for improving air quality in a particular location, the ~~system~~ method comprising ~~the steps of:~~

a) placing at that location a building or other construction adopting air permeable cladding material; the cladding material comprising a filtration layer for removing one or more of: ~~of:[]~~ particulate emissions, gas pollutants, chemical agents and biological agents as air passes from the exterior of the building or other construction to its interior, wherein the filtration layer is provided with a graduated filtering profile such that, along an airflow direction of the filtration layer, particles of decreasing sizes are trapped; and

b) arranging for filtered air from within the building or other construction to pass to the exterior of the building or other construction.

21. (Currently Amended) ~~A system~~ The method for improving air quality according to claim 20, ~~comprising wherein~~ the cladding material further comprises: according to claim 1

an outer air permeable cover; and

an inner air permeable cover,

wherein the filtration layer is an intermediate layer providing the graduated filtering profile.

22. (Currently Amended) A durable cladding material comprising: [[-]]

an outer air permeable weatherproof cover;

an inner air permeable wearing surface cover; and

an intermediate layer, wherein the intermediate layer is provided with a graduated filtering profile for the removal of one or more particulate, gaseous, chemical and biological pollutants and contaminants, and wherein the graduated filtering profile extends across an airflow direction of the intermediate layer such that particles of decreasing sizes are trapped.

23. (Canceled).

24. (Canceled).

25. (Canceled).

26. (New) A cladding material according to claim 1, wherein the intermediate layer has sound insulating properties.